Last Modified: 12-04-2024	6.11:8.1.0	**Doc ID:** RM1000000029A4N
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [12/2022 -]
Title: HYBRID / BATTERY CONTROL: HYBRID BATTERY SYSTEM (for M20A-FXS): U029387; Lost Communication with Hybrid/EV Powertrain Control Module Missing Message; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	**U029387**	**Lost Communication with Hybrid/EV Powertrain Control Module Missing Message**

DESCRIPTION

The battery ECU assembly transmits and receives signals via CAN communication to and from the hybrid vehicle control ECU.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE
U029387	Lost Communication with Hybrid/EV Powertrain Control Module Missing Message	A CAN communication error between the battery ECU assembly and hybrid vehicle control ECU (CAN communication system malfunction) occurs (1 trip detection logic)	CAN communication system	Comes on	Master Warning: Comes on	HV Battery	B	SAE Code: U0293

MONITOR DESCRIPTION

If the battery ECU assembly cannot communicate with the hybrid vehicle control ECU via CAN communication, it will illuminate the MIL and store a DTC.

MONITOR STRATEGY

Related DTCs	U0293 (INF U029387): Lost communication with Hybrid control module
Required sensors/components	Battery ECU assembly
Frequency of operation	Continuous
Duration	TMC's intellectual property
MIL operation	Immediately
Sequence of operation	None

TYPICAL ENABLING CONDITIONS

The monitor will run whenever the following DTCs are not stored	TMC's intellectual property
Other conditions belong to TMC's intellectual property	-

TYPICAL MALFUNCTION THRESHOLDS

TMC's intellectual property	-

COMPONENT OPERATING RANGE

Battery ECU assembly	DTC U0293 (INF U029387) is not detected

CONFIRMATION DRIVING PATTERN

HINT:

- After repair has been completed, clear the DTC and then check that the vehicle has returned to normal by performing the following All Readiness check procedure.

  Click here INFO
- When clearing the permanent DTCs, refer to the "CLEAR PERMANENT DTC" procedure.

  Click here INFO

1. Clear the DTCs (even if no DTCs are stored, perform the clear DTC procedure).
2. Turn the ignition switch off and wait for 2 minutes or more.
3. With ignition switch ON and wait for 2 minutes or more.[*1]

HINT:

[*1]: Normal judgment procedure.

The normal judgment procedure is used to complete DTC judgment and also used when clearing permanent DTCs.

4. Enter the following menus: Powertrain / HV Battery / Utility / All Readiness.
5. Check the DTC judgment result.

HINT:

- If the judgment result shows NORMAL, the system is normal.
- If the judgment result shows ABNORMAL, the system has a malfunction.
- If the judgment result shows INCOMPLETE, perform the normal judgment procedure again.

PROCEDURE

1.	**CHECK DTC OUTPUT (HV BATTERY)**

Pre-procedure1

(a) None

Procedure1

(b) Check for DTCs.

Powertrain > HV Battery > Trouble Codes

Post-procedure1

(c) Turn the ignition switch off.

NEXT GO TO CAN COMMUNICATION SYSTEM


TOYOTA